

## ABSTRACT

A method for data transmission over an optical network, the method including collecting a plurality of services data to be transmitted in at least one service collection unit, processing the services in their original protocols into packets, and converting the services into optical signals on an optical fiber for transmission into a metro network; and sorting the services from a plurality of packets according to service type in an aggregator, coupled for optical communication to the service collection units, and combining like services for transmission over a compatible transport network.